

bYorkshire Dales National Park

Forecast valid from 00:00 on Sunday 17 Sep 2023 until 23:59 on Monday 18 Sep 2023

Forecast Issued on Saturday 16 Sep 2023 at 15:11

Confidence: High for the unsettled theme on Sunday, but only Moderate for the timing of heaviest rain. High again for more persistent rain Monday clearing to sunshine and showers later that day. Moderate for the persistent rain and strong winds Tuesday and into Wednesday, but confidence then becoming Low for any details Thursday onward.

Headline for Sunday 17 Sep 2023: Cloudy with early outbreaks of drizzle only gradually easing. Further heavy rain spreading north towards midnight.

Mountain weather hazards on Sunday 17 Sep 2023

Blizzards

No Likelihood

Gales

No Likelihood

Thunderstorms

No Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

No Likelihood

Heavy persistent rain

Low Likelihood

Storm force winds

No Likelihood

Poor visibility

Medium Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Dull	Drizzle	Drizzle	Drizzle	Cloudy	Cloudy	Cloudy	Heavy Rain
Precipitation probability							
40%	40%	30%	30%	20%	20%	40%	70%

Forecast for Sunday 17 Sep 2023

Weather: Cloudy with outbreaks of drizzle through the morning, most persistent across eastern hills, but easing away into the afternoon. Some drier intervals possible for a time. Further heavy showers then spreading north during the evening, with a very slight chance of thunder.

Chance of cloud-free hill tops above 600m: 60% west, 20% east during the morning. Becoming 90% for all, for a time during the afternoon before falling again to 30% after dark.

Low Cloud and visibility: Widespread cloud obscuring tops above 500m for much of the morning, with some patches of cloud down to 300m in the east. Cloud lifting into the afternoon, to be largely above summit. Further widespread low cloud spreading north after dark, obscuring summits above 600m. Good views likely outside of cloud, but falling to poor at times during heavy rain.

Forecast for Sunday 17 Sep 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	14/23 NE	13/22 E	12/19 E	15/23 E	16/25 E	16/25 E	14/23 E	15/23 E	13/20 SE
300	13/25 NE	12/22 NE	11/20 E	12/23 E	11/22 E	12/24 E	11/22 E	10/22 E	9/20 E
Valley	14/26 NE	11/22 E	8/19 E	12/23 E	12/25 E	12/24 E	10/22 E	12/26 E	10/21 E

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/7	10/7	10/8	11/8	12/10	13/10	12/9	11/8	12/9
300	12/9	12/10	12/10	14/12	16/14	16/14	14/12	13/12	14/12
Valley	13/11	13/11	14/12	15/14	17/15	18/16	16/14	15/13	15/13
Freezing Level ⁸	2900m	2900m	2900m	3000m	2900m	2800m	2800m	2900m	3000m

⁸Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Driest weather expected during the afternoon, however some rain remains possible throughout. This heaviest, and perhaps thundery later in the day, so worth descending early and having a descent plan if caught in a thunderstorm.

Recent rainfall: measured at Malham: altitude 375m

Recorded at
14:00 on Sat 16 Sep 2023

Last 24 hours:
0mm

Last 48 hours:
6.8mm

Last 72 hours:
9.2mm

Forecast for Monday 18 Sep 2023

Weather: Heavy showers and thunderstorms during the morning will likely merge with a band of heavy rain forecast to spread east late morning. This soon clearing to sunny spells during the afternoon. Further showers also following, heavy at times and with a further chance of isolated thunder, but moving quickly through on the strong westerly breeze.

Maximum wind: Southerly 20mph becoming Westerly 30mph with 35-45 mph gusts

Chance of cloud-free hill tops above 600m: 20% during the morning, rising to above 80% during the afternoon.

Low Cloud and visibility: Widespread cloud obscuring summits at 500m during the morning, but patchier across northern hills. Cloud clearing as morning rain eases away east, but the odd patch of cloud returning above 700m during any showers. Moderate to poor views during the morning, especially with rain, but improving to be very good later in the day, especially away from any showers which will briefly limit views of distant hills.

Temperature: **Valleys:** Plus 14 Celsius rising to Plus 18 Celsius

At 600m: Plus 12 Celsius.

Freezing level: Above summits.